



# Commissioning and Operation

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## Unpacking and setting up the printer



### CAUTION!

Device with cutter! May cut your hand badly.

- Do not grasp the cutter (2) as a handle.
- Use the cutter motor (3) as a handle.

### Unpacking

1. Open the box and remove the parts lying on top, the extra parts and the foam covering.
2. Take hold of the device from the bottom and lift it out the box. Get somebody to hold the box when removing the device.

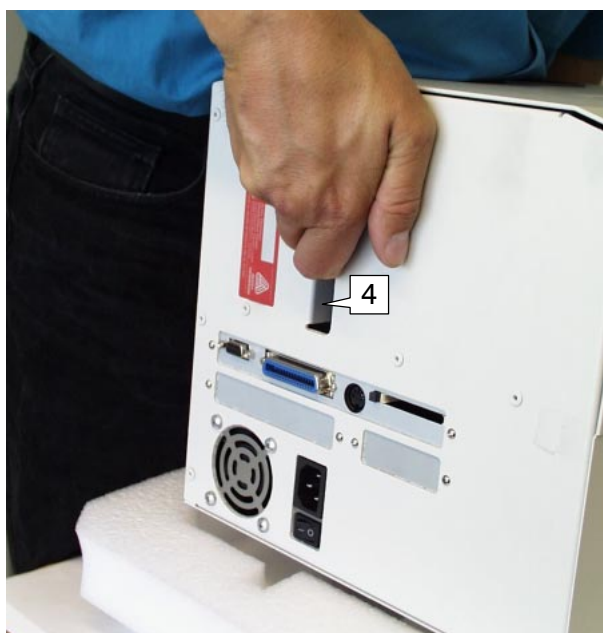
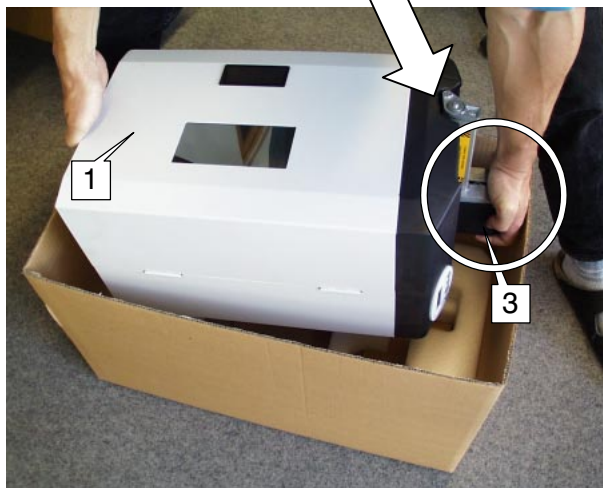
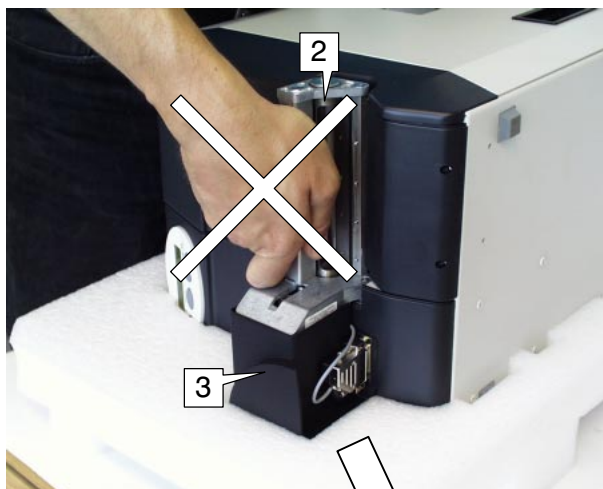
The device is lying on its side in the box. Pay attention to the following notes:

- III ➡ Do not use the cover (1), which is accessible from above, to lift the device. The cover moves and is not suitable for picking up the device.

If the housing has a slot (4) for leporello material, you can use it to start lifting up the device. Then take hold of the device from the bottom and lift it out of the box.

- III ➡ Do not use other protruding components (e.g. the magazine or label tray) to lift or transport the device.

○ Continued on the next page.



3. Set the device down (1).
4. Turn the device to the position in which it is to be used (2).
5. Place the device on a firm and level surface (3).

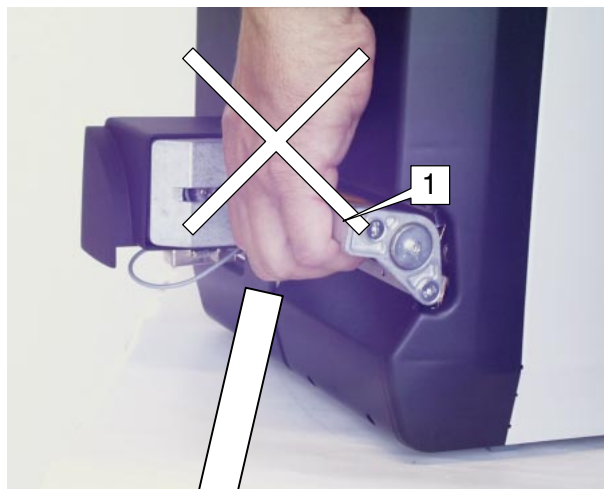
■▶ When carrying the printer, pay attention to the safety instructions on the next page.



## Transporting

Pay attention to the following instructions when the device is being lifted and carried:

1. Before transporting the device, switch it off, pull out all cables and take off any removable external parts.
- III ➡ Devices with a cutter:  
Do not grasp the cutter (1). Use the cutter motor as a handle (2) for transporting.
- III ➡ Do not use other protruding components (e. g. the magazine or label tray) to lift or transport the device.
2. Take hold of the device from the bottom and carry it to its new location.
  3. Place the device on a firm and level surface.



## Assembling the TT4 magazine

(TT4 only)

- The assembly of the TT4 magazine is described in the Manual TT4.



- III ➡ The packaging material (3) should be stored for possible shipping.

Pay attention to environmental protection if the packaging is to be disposed of. Check whether it would be possible to return it to your supplier.

- More detailed information about environmental protection is contained in the section "Safety Notes".



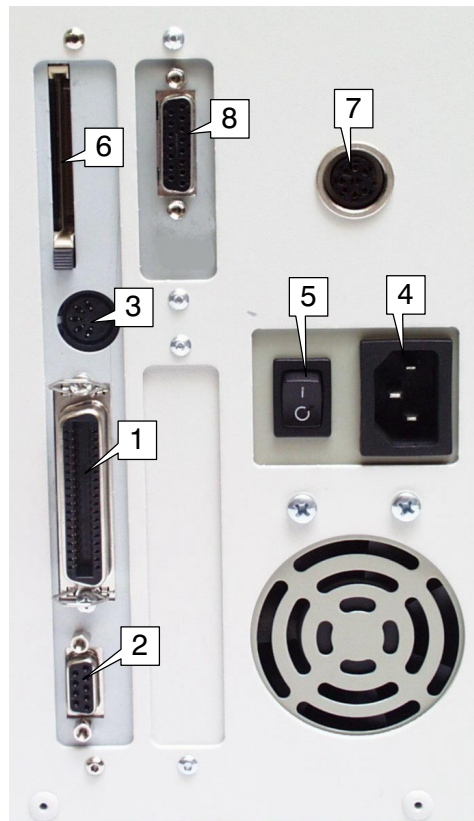
## Connecting the printer

### Layout of the device connections

- 1 Centronics interface  
(parallel interface)
- 2 Serial interface RS232/RS485  
(serial interface)
- 3 Not allocated
- 4 Mains connection
- 5 Mains switch
- 6 Plug-in card slot
- 7 Single-Start connector (only dispenser version)
- 8 USI (optional; standard for 64-xx Dispenser A and  
Chess x Dispenser A)

### Mains connection

- Plug the mains cable into the socket (4), switch off the mains switch (5), connect the mains plug to the power supply.



### Connecting external devices

#### Standard

A serial interface V.24/DB25 (RS232 or RS422/485) and parallel interface (Centronics) are integrated as standard interfaces for connecting the printer.

#### RS485

By means of the parameter menu, the transmission mode of the serial interface can be set either to RS232 or to RS485. Default setting is RS232.

- For detailed information refer to the topic "Info Printouts and Parameters".



- ➡ Before plugging in or removing the interface cable, the connector cable or the connector cable for external devices, switch off the device!  
It is only permitted to connect devices to the interfaces or the sockets which have been tested according to IEC 950 or VDE 0805, and which fulfil these requirements in line with SELV.
- For information about pin assignments, refer to the service manual, topic section "Interfaces".



## Operating panel of the printer

### Layout of the operating elements



### Operating elements

- 1 Display
- 2 Cut button (=▼ button)
- 3 Online button (=↵ button)
- 4 Feed button (=▲ button)
- 5 Prog. button (=Esc button)

#### Display

The display shows the operating modes, parameters, values, status and malfunctions using 32 characters in two lines. The operator can alternate the display according to his preferred language and switch between the English and German display texts. The background illumination allows for easy reading of the display.

### Meanings of the buttons

#### General

The buttons permit a multitude of functions. The device is operated using a logical menu structure. The buttons have different meanings depending on the operating mode and menu item. In addition, special functions are programmed by pressing several buttons simultaneously.

Despite this variety, the following main functions can be assigned:

#### Online button

Changes between on-line and off-line mode.

↵ = Enter: Confirms values, menu items or displays.

#### Cut button

Cut = Cut.

Also leads to deeper levels of the menu structure or selects menu items. Values are reduced.

**Feed button**

Feed = Material feed, in on-line mode start after stop.  
Also leads to deeper levels of the menu structure or selects menu items.  
Values are increased.

**Prog. button**

For calling up the parameter menu

- Other and more detailed function assignments can be found
  - in the following sections (Operation in off-line and on-line mode) and
  - in the section "Info print-outs and parameters" (Operation of the parameter menu).

## Operating modes

### Off-line mode

Display: OFFLINE X JOBS X = No. of already interpreted print jobs

Parameter settings, status reports and printer settings are carried out in off-line mode. The off-line mode is usually active when the printer is switched on (adjustable). The printer is not ready to receive data via the selected interface (off-line). Print jobs are not carried out.

### On-line mode

Display: ONLINE X JOBS

The printer is ready for operation in the on-line mode. Data can be received via the selected interface (on-line). Print jobs are carried out. If errors occur, the printer goes automatically into off-line mode.

**Data transmission** Currently proceeding data transmission to the printer is indicated by a point to the right of the number of jobs:

Display: ONLINE X. JOBS

**Printing** While the printer is processing a print job, the display shows additionally the remaining quantity of labels to be printed in the active print job:

Display: ONLINE 13 JOBS  
Restcount: 25

**Remaining amount** If a print job requires an endless amount of labels, the remaining label amount is also endless. In that case, the display shows the following:

Display: ONLINE 13 JOBS  
Restcount: endless

**Stop printing** → Press the on-line button in order to stop the print job.

### Report status

Display: Status xxxx  
TextTextTextText

**Status report** A malfunction or certain conditions are signalled by the printer with a status report. In this report status, the printer waits for the error to be corrected and/or an acknowledgement. After acknowledgement, the printer goes from the report status into off-line mode (depending on the error and how the previous process has been completed).

**Acknowledging** → Acknowledge with the on-line button and switch off the acoustic signal with the feed button to exit the report status (change to off-line).



## Basic operating procedures

### Starting the 64-xx / Chess x

- Connection** 1. Connect the printer to the mains power supply (if not already done so) and plug in the interface cable (if required).

- Switching on** 2. Switch on the printer using the mains switch.

System start...	Boot-Loader startet
System start... Start user prog	Found valid firmware-program; program is started
Avery 64-05 V 2.31	Printer type (here: 64-05) Release no. of the printer firmware
Memory: 8MB Flashcard 8MB	Internal RAM (here: 8MB) Optional RAM on Compact Flash Card (here: 8MB) – Display only when Compact Flash Card applied.

**Off-line** OFFLINE 0 JOBS Off-line-Mode

3. Change to on-line mode using the Online button.

ONLINE 0 JOBS

**On-line** The printer is now ready to receive data via the selected interface.

### Starting the TT4

- Connection** 1. Connect the printer to the mains power supply (if not already done so) and plug in the interface cable (if required).

- Switching on** 2. Switch on the printer using the mains switch.

System start...	Boot-Loader startet
System start... Start user prog	Found valid firmware-program; program is started
TT4 R1.10 HS0.17	Printer type Release no. of the printer firmware
Memory: 8MB Flashcard 8MB	Internal RAM (here: 8MB) Optional RAM on Compact Flash Card (here: 8MB) – Display only when Compact Flash Card applied.

**On-line** ONLINE 0 JOBS The TT4 starts in On-line-Mode

**Initialization**

At the same time the printer initialises itself. The TT4 draws in the ends of the materials which have been inserted in each infeed one after the other from top to bottom. The scanner hereby registers the bar code on the reverse of the material as soon as the bar code is fed far enough.

If the scanner does not detect a bar code at the bottom of the label, an error message is displayed.

- For information on status reports, which can in particular occur while initializing the TT4, refer to paragraph [Status reports TT4](#) on page 16.

**Reset**

Display: Arbitrary (not off!)

**Reset**

- ➔ Press the Feed+Cut+On-line buttons (all 3 buttons simultaneously) in order to reset the printer. The printer is restarted (restart or also warm-up).

Display: Apart from the first line, which is not displayed (System start...), same display as after switching on

- See chapter [Starting the 64-xx / Chess x](#) on page 9.

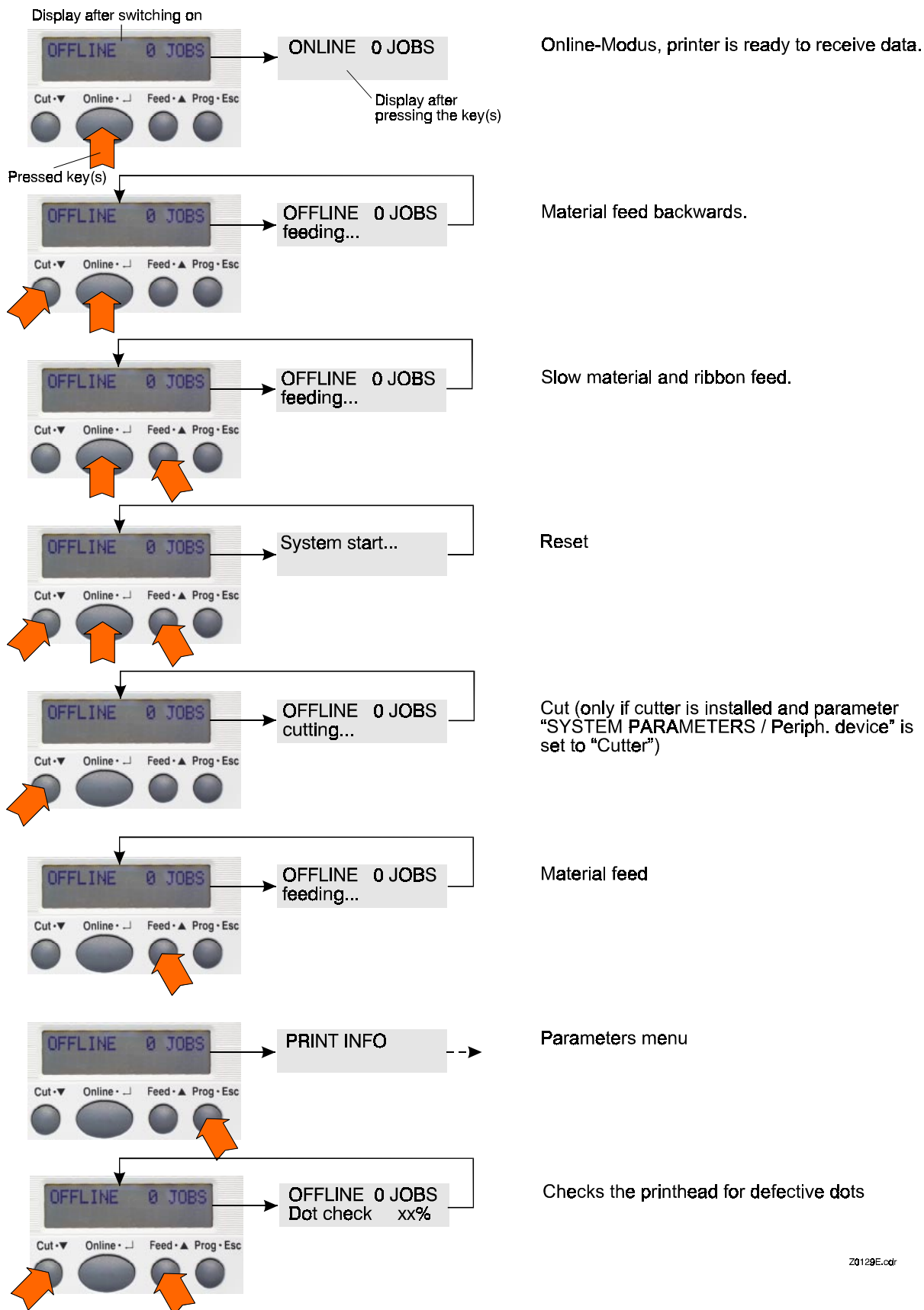
The printer can therefore be restarted without having to switch the device off first.

■■■■➔ During reset, all the data stored in the printer is deleted!

**Starting a print job**

- To find an example of a print job including processing instructions, for practising and trying out, refer to the manual Easy Plug, subject section „General Notes, Definitions and Command Overview“, paragraph „Programme example“.

## Key combinations in off-line mode



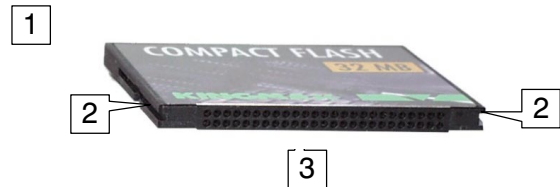
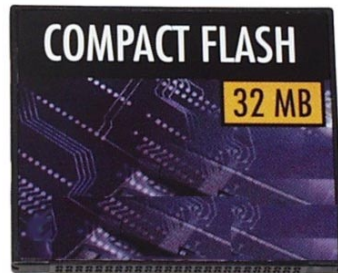
## Key combinations in on-line mode

Previous display	Button combinations	Display afterwards	Function/meaning
ONLINE 0 JOBS	Prog.	Print contrast xx%	Set print contrast: Feed button to increase, Cut button to decrease (not with TT4).
ONLINE 0 JOBS	Online	OFFLINE 0 JOBS	Off-line mode, number of loaded jobs is shown.
ONLINE x JOBS Restcount xxx	Online	ONLINE 0 JOBS Stopped xxx	Interrupt print job: The label being printed is completed; the number of loaded jobs and the number of labels to be printed is shown.
ONLINE x JOBS Stopped xxx	Online	OFFLINE x JOBS	Change to off-line mode; the number of labels waiting to be printed remains.
ONLINE x JOBS Stopped xxx	Feed	ONLINE x JOBS Restcount xxx	Resumption of the print job
OFFLINE x JOBS Stopped xxx	Online	ONLINE x JOBS Stopped xxx	Halted print job, change to on-line mode

## Handling of plug-in cards

### Compatible plug-in cards

The slide-in modules are intended for the use of optional cards. Compact Flash Cards (1) with 32 or 48 MB per card can be used.



Example: 32MB Compact Flash Card  
Appearance may differ from the card shown



➡ Only Compact Flash Cards which have been approved by the manufacturer may be used. Do not insert, remove or change a card until at least 60 seconds after switching off the device!

- For more detailed information about the use of cards see Manual Cards.

Compact Flash Cards have guide grooves on the shorter sides (2). One of the two guide grooves is wider than the other. The plug contacts are located on one of the two longer sides (3).

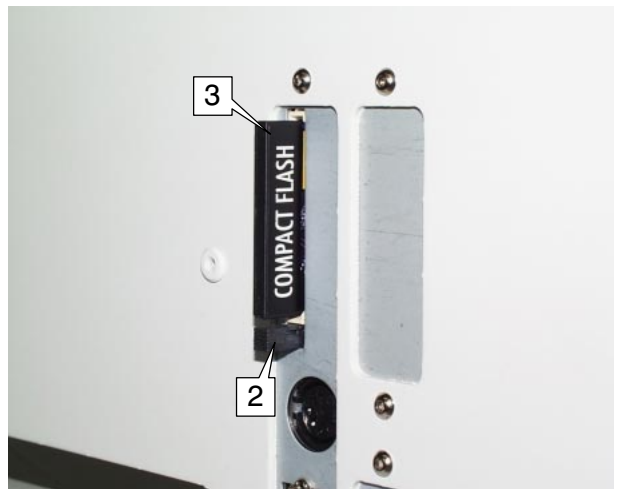
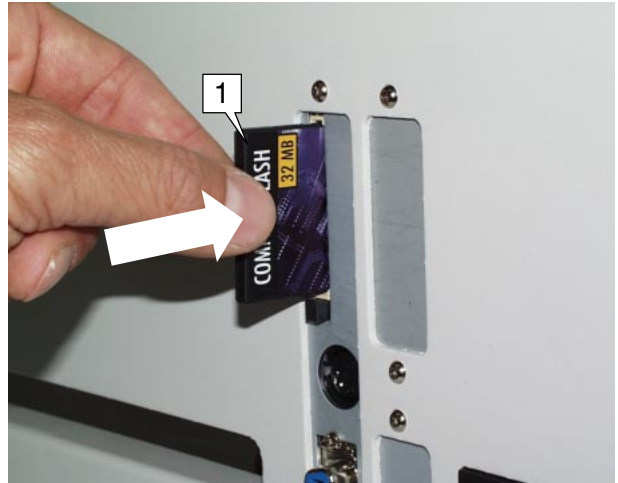
## Inserting the plug-in cards

- The plug-in card slot is situated at the rear of the device. See section "Layout of the device connections".

1. Switch off the mains switch.
2. With the plug contacts at the front, push the Compact Flash Card (1) into the plug-in card slot until you can feel some resistance. The wider guide groove must be pointing upwards.

Card firmly right further into the slot until the release button (2) comes out. The plug-in card then protrudes approximately 1 cm out of the device (3) and ends justified with the release button.

- III ➡ Do not use force to insert the plug-in card.
- III ➡ Check the position of the plug-in card if it cannot be inserted without using force.



## Removing the plug-in card

- ➔ Press the release button at the lower end of the plug-in card slot (1). At the same time remove the plug-in card with your free hand.





## Status reports

### General display format

Status	xxxx	<i>xxxx = status number</i>
Text	TextTextTextText	<i>TextTextTextText = status description.</i>

Status	1170	<i>Example</i>
x pos	> width	

- For a detailed list of status messages, refer to topic section „Status reports“.

Status type	Button combinations	Status after acknowledgement	Function/meaning
Self-acknowledging status report	none	As prior to the status report	Status report as a warning, self-acknowledging. The message appears for approx. 2 seconds on the display. The printer then continues with its previous job.
Status report must be acknowledged by the operator.	Online button		Status report is displayed together with a short signal tone. Confirm that the error has been corrected (acknowledgement).
	Cut button	Off or on-line mode, depending on the status which has occurred.	To exit the report status. Depending on the type, the status report is either followed by a change into off-line mode, or the previous action is continued.
Nontransient error	Cut+Online+Feed buttons	Off-line mode	Printer lock. The status report is displayed together with a continuous signal tone. In order to resume operation it is necessary to restart the printer.

Tab. 1: The three types of status messages require an adapted reaction of the user.

- For informations on how to acknowledge a certain status message, refer to topic section "Status messages".

## Special status messages

### FOIL

The following status message deviates from the standard display format:

```
FOIL      X JOBS
Job rest quant. xxx
```

This message appears, if the set "Foil end warning" threshold is reached, what means that the ribbon roll diameter has fallen below the set threshold value. The message doesn't affect the printer function.

- See parameter *SYSTEM PARAMETERS > Foil end warning*.

The message disappears shortly after a new ribbon roll has been inserted. It can be avoided by setting a very low threshold diameter.

## Status reports TT4

The following status reports are caused by the TT4 infeed module and can only occur with this printer type.

Display	Status	
Status Scanner	5015	Fault at the scanner
Status Barcode Infeed 1	5051	The bar code in infeed 1 (top) could not be read / is not available. Applies analogous to the three lower infeeds (Infeed 2-5052, Infeed 3-5053, Infeed 4-5054).
Status Infeed 1 empty	5055	No ticket material fed to infeed 1 (top). Applies analogous to the three lower infeeds (Infeed 2-5056, Infeed 3- 5057, Infeed 4-5058), if parameter „SYSTEM PARAMETERS/ w/wo magazine“ ist set to „without“.

- For a detailed list of status messages, refer to topic section „Status reports“ in this manual.

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